

FIG.2

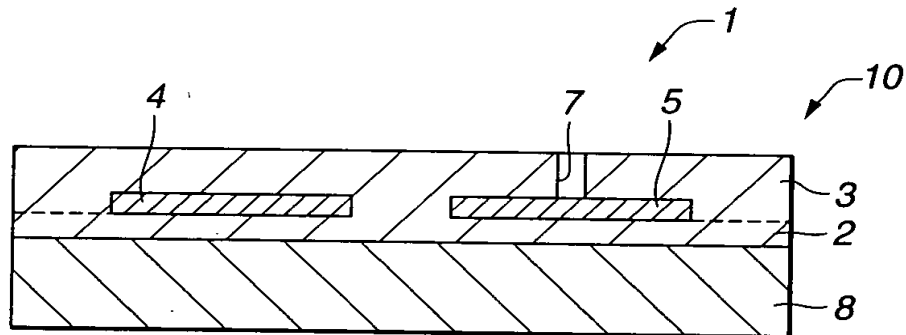


FIG.3

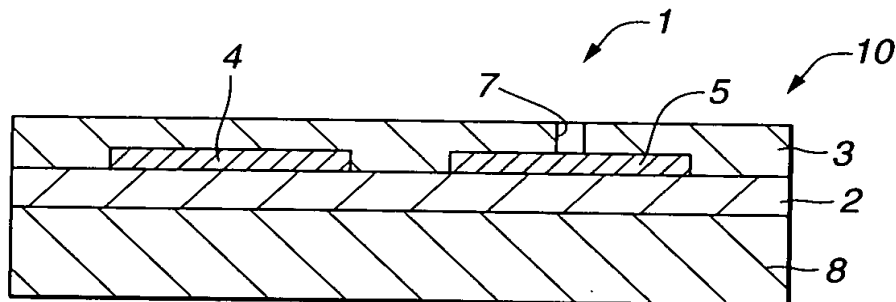


FIG.4

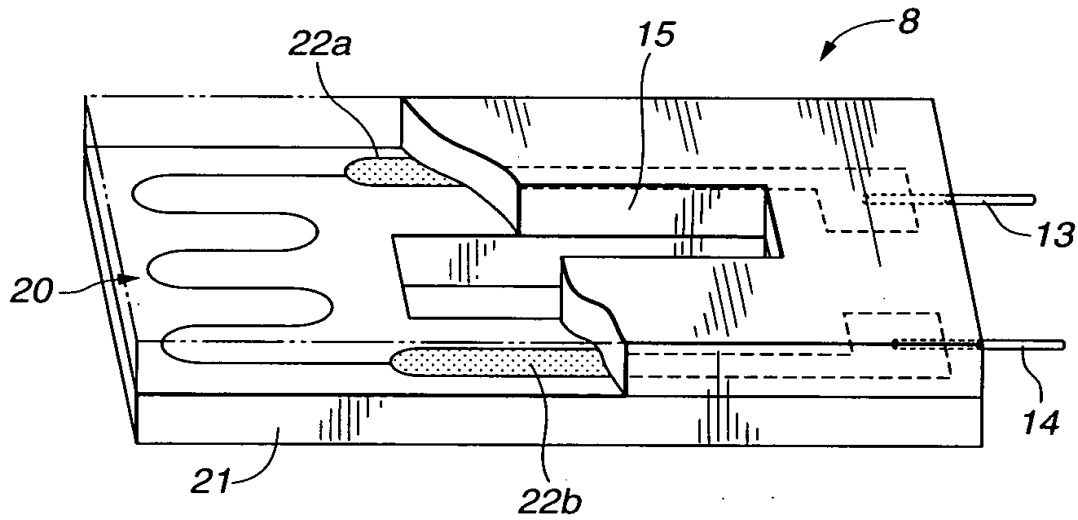


FIG. 4

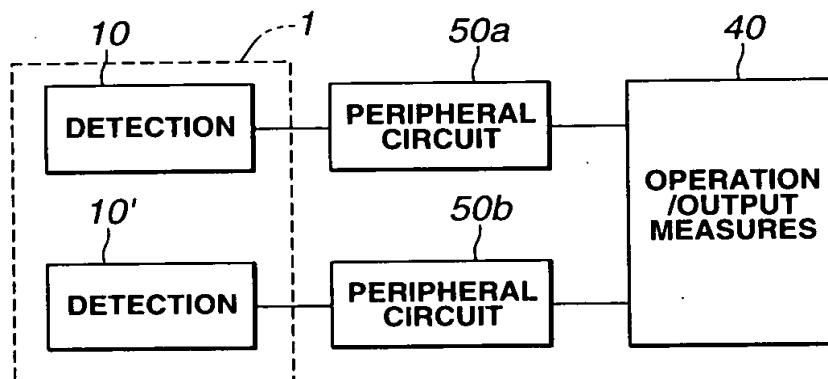


FIG.7

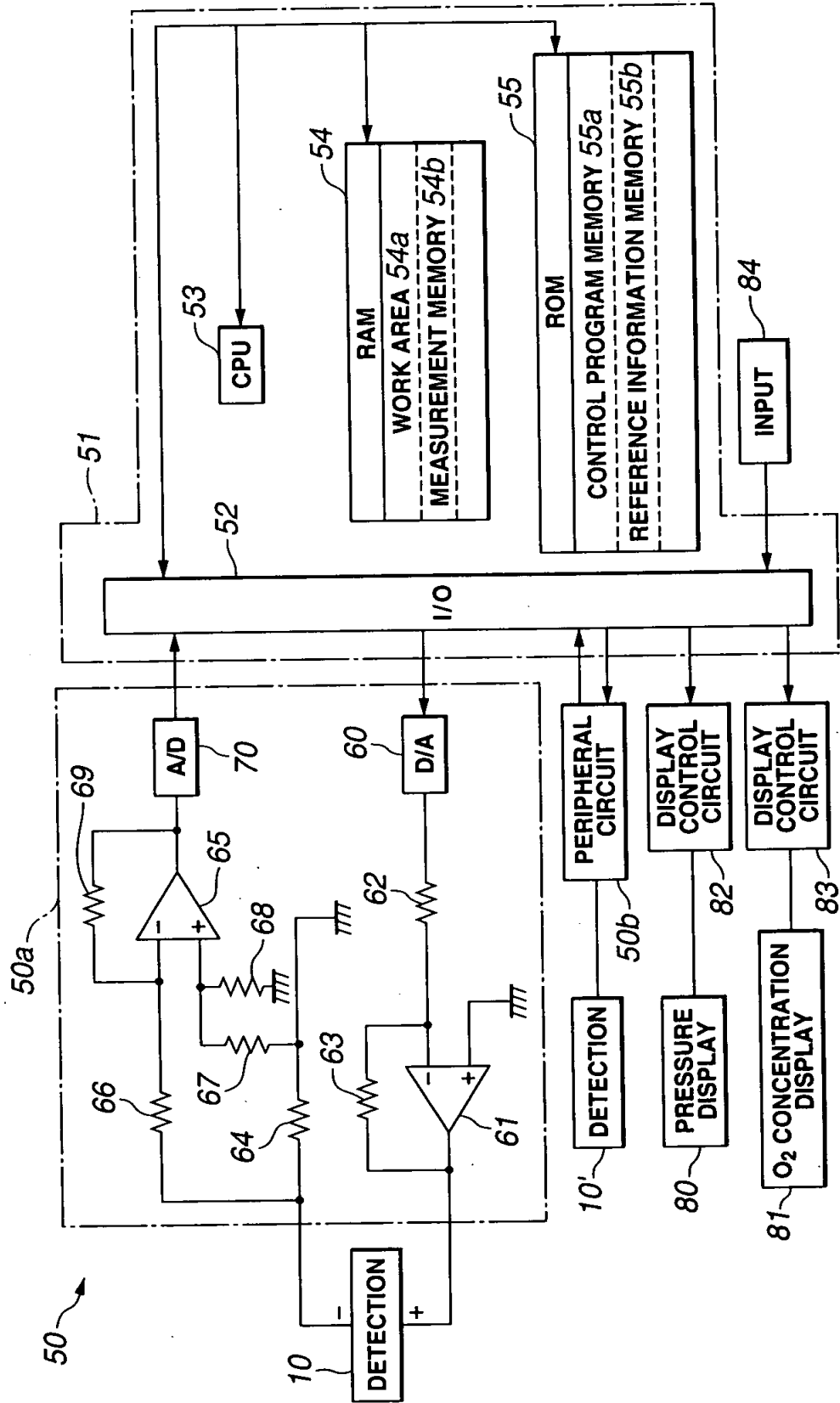


FIG.8(a)

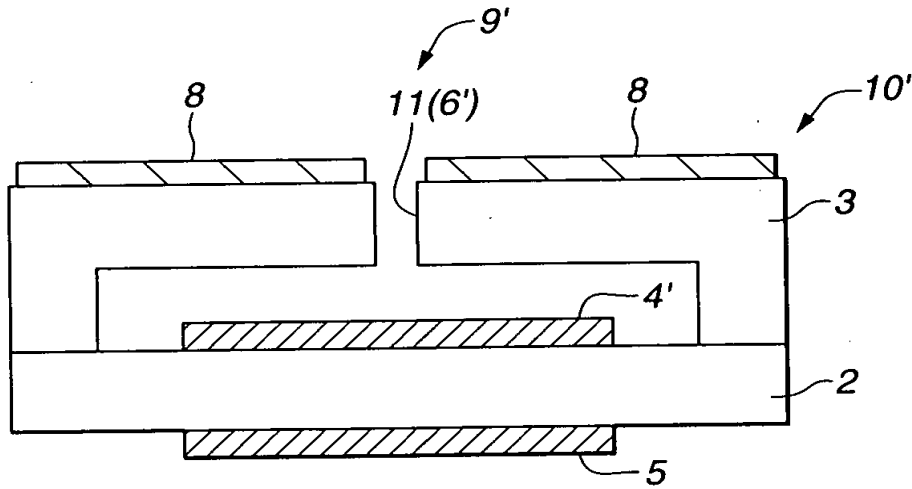


FIG.8(b)

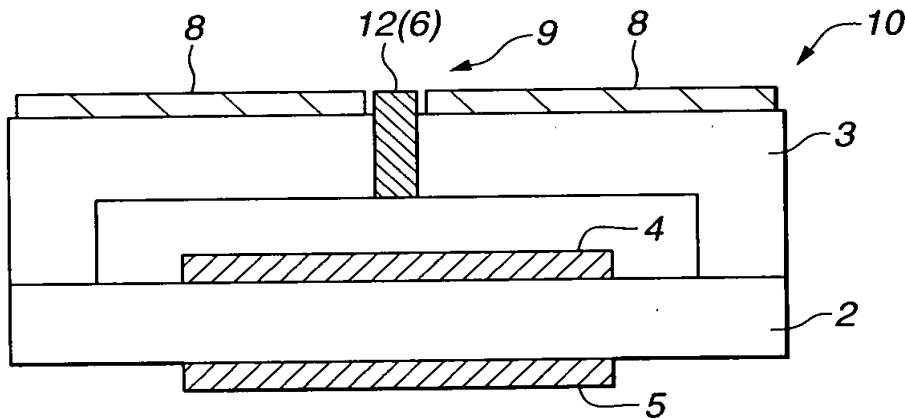


FIG.9

O₂ CONCENTRATION=CO'

PUMP CURRENT	I ₁	I ₂	I ₃	.....
PRESSURE	P ₁	P ₂	P ₃	.....

208

00040559 032004
 40559 032004

FIG.10(a)

↖ 210

PUMP CURRENT	I'_1	I'_2	I'_3	.....
O ₂ CONCENTRATION (CO ₁)	CO ₁₁	CO ₁₂	CO ₁₃	.....

FIG.10(b)

↖ 212

PUMP CURRENT	I_1	I_2	I_3	.....
O ₂ CONCENTRATION (CO ₂)	CO ₂₁	CO ₂₂	CO ₂₃	.....

FIG.10(c)

↖ 214

ΔCO \ CO ₁	CO ₁₁	CO ₁₂	CO ₁₃	.....
ΔCO_1	P ₁₁	P ₁₂	P ₁₃	.....
ΔCO_2	P ₂₁	P ₂₂	P ₂₃	.....
ΔCO_3	P ₃₁	P ₃₂	P ₃₃	.....
⋮	⋮	⋮	⋮	$\Delta CO = CO_1 - CO_2$

FIG.10(d)

↖ 216

ΔI \ I'	I'_1	I'_2	I'_3	.....
ΔI_1	P ₁₁	P ₁₂	P ₁₃	.....
ΔI_2	P ₂₁	P ₂₂	P ₂₃	.....
ΔI_3	P ₃₁	P ₃₂	P ₃₃	.....
⋮	⋮	⋮	⋮	$\Delta I = I'_1 - I_2$

FIG.10(a) FIG.10(b) FIG.10(c) FIG.10(d)

FIG.11(a)

↖ 220

CO \ P	P ₁	P ₂	P ₃	.....
CO ₁	I' ₁₁	I' ₁₂	I' ₁₃	.....
CO ₂	I' ₂₁	I' ₂₂	I' ₂₃	.....
CO ₃	I' ₃₁	I' ₃₂	I' ₃₃	.....
⋮	⋮	⋮	⋮	

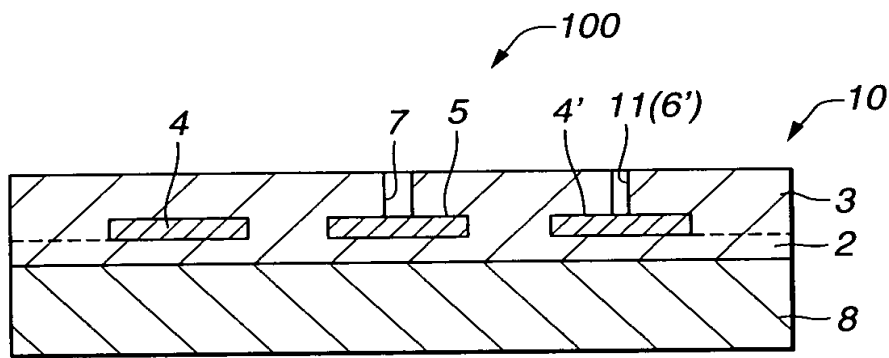
FIG.11(b)

↖ 222

CO \ P	P ₁	P ₂	P ₃	.....
CO ₁	I ₁₁	I ₁₂	I ₁₃	.....
CO ₂	I ₂₁	I ₂₂	I ₂₃	.....
CO ₃	I ₃₁	I ₃₂	I ₃₃	.....
⋮	⋮	⋮	⋮	

FIG. 11(a) 220

FIG.12(b)



CROSS SECTION C-C

FIG.13

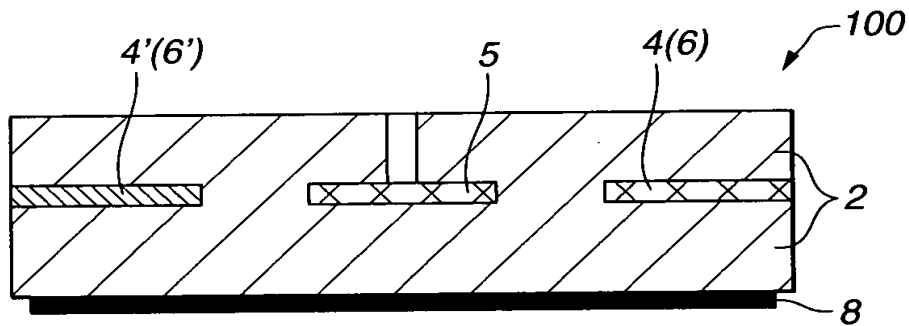


FIG.14

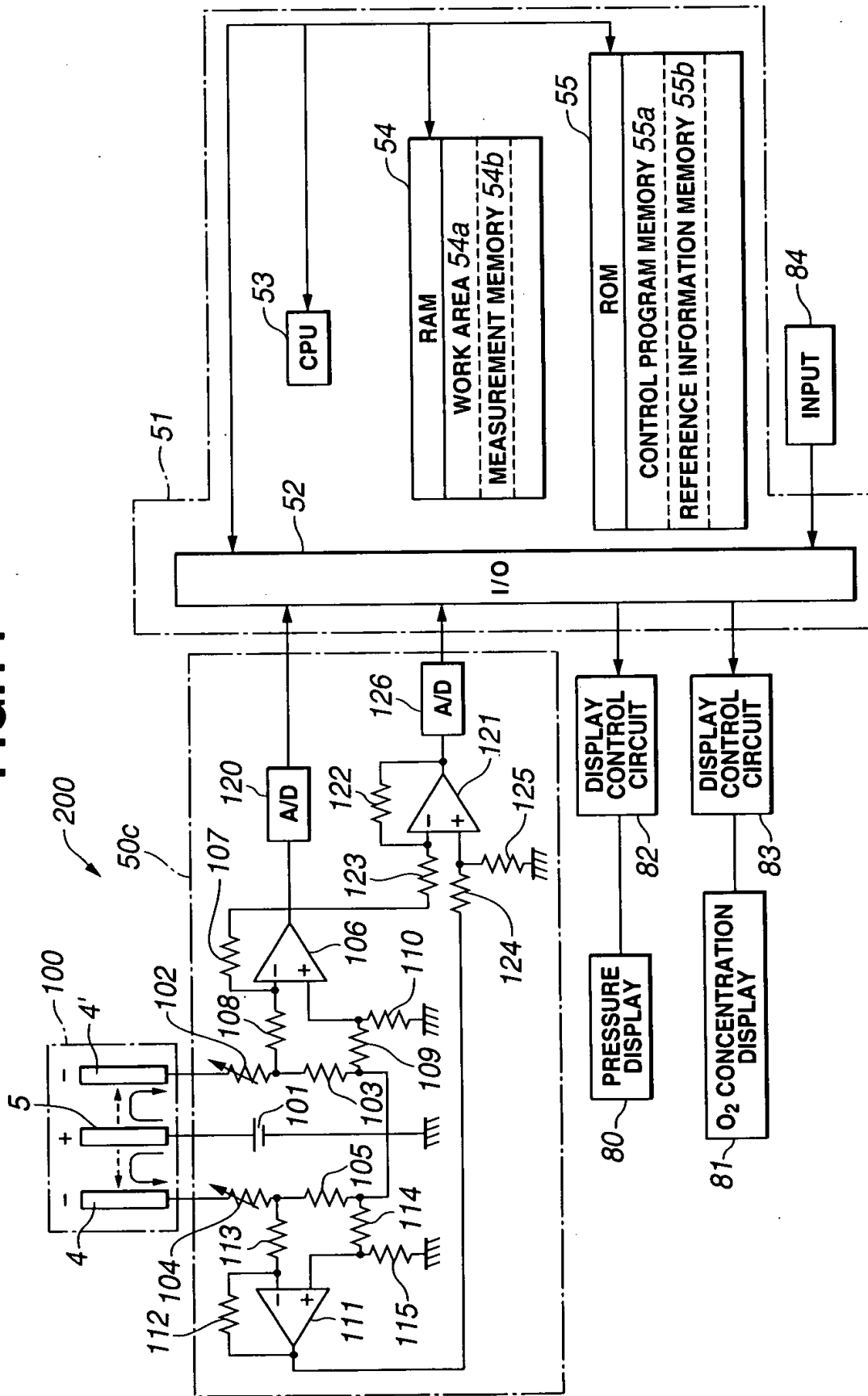


FIG.15

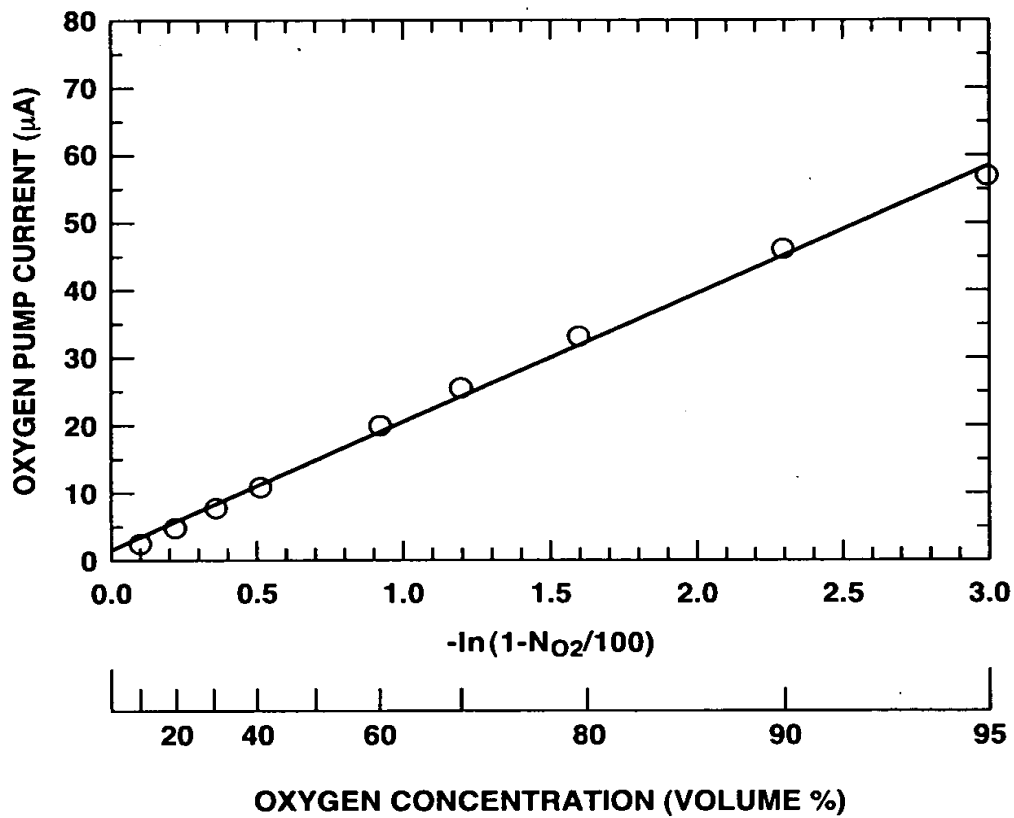


FIG.16

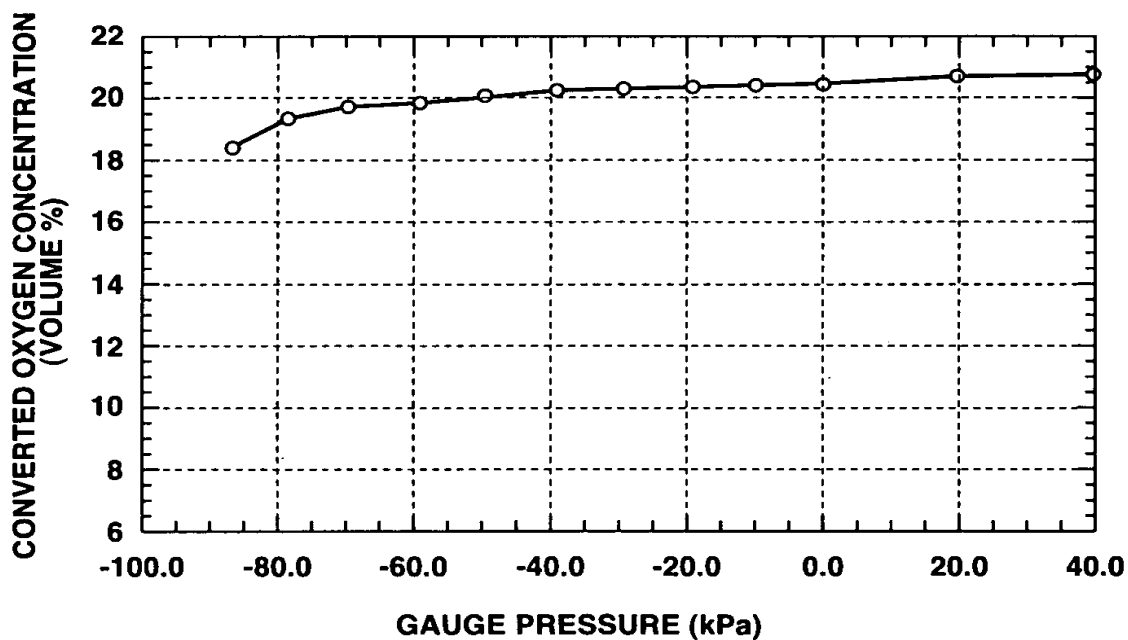


FIG. 16

FIG.17

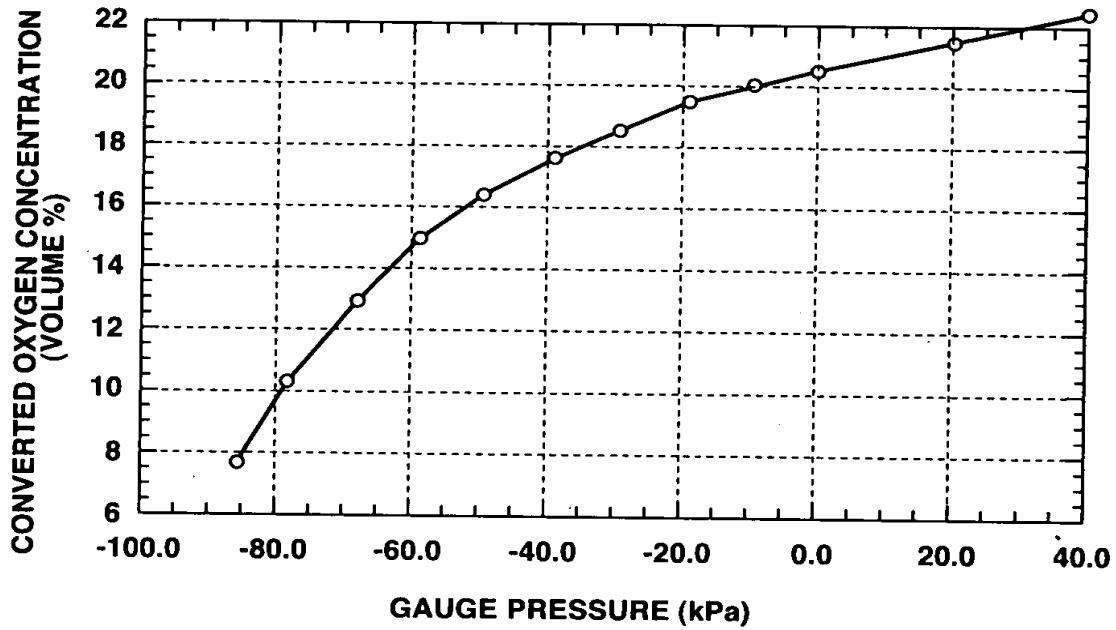


FIG.18

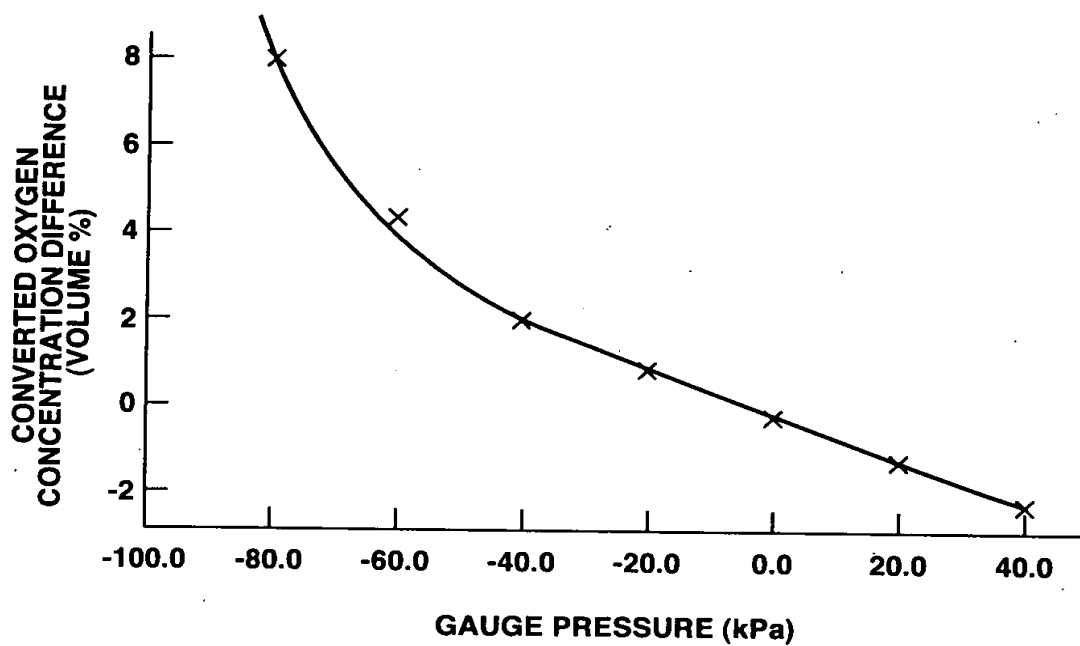


FIG. 18